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REMARKS

Claims 1-21 are pending in this application. Claims 2, 5, 7 and 11-21 have been cancelled. Claims 1, 3, 4, 8 and 10 have been amended. New Claims 22-24 have been added.

Claims 1 and 5 were rejected under 35 USC §103(a) as being unpatentable over Wold et al. (U.S. Patent No. 5,386,568). Claims 2-4 were rejected under 35 USC §103(a) as being unpatentable over Wold et al. in view of Williams (U.S. Patent No. 5,850,548). Claim 8 was rejected under 35 USC §103(a) as being unpatentable over Wold et al. in view of Dan (U.S. Patent No. 5,867,651). Claims 6, 7 and 9 were rejected under 35 USC §103(a) as being unpatentable over Wold et al. in view of Lieberman (U.S. Patent No.6,516,349). Claim 10 was rejected under 35 USC §103(a) as being unpatentable over Wold et al. in view of Williams and Dan. Claims 11 and 19 were rejected under 35 USC §103(a) as being unpatentable over Wold et al. in view of Pike (U.S. Patent No. 5,579,469). Claim 12 was rejected under 35 USC §103(a) as being unpatentable over Wold et al. in view of Pike and further in view of Williams. Claims 13, 14 and 16 were rejected under 35 USC §103(a) as being unpatentable over Wold et al. in view of Pike and further in view of Lieberman. Claim 15 was rejected under 35 USC §103(a) as being unpatentable over Wold et al. in view of Pike and further in view of Dan. Claim 17 was rejected under 35 USC §103(a) as being unpatentable over Wold et al. in view of Pike and further in view of Williams and Dan. Claim 18 was rejected under 35 USC §103(a) as being unpatentable over Wold et al. in view of Pike and Dan and further in view of Lieberman. Claim 20 was rejected under 35 USC §103(a) as being unpatentable in view of Wold et al. in view of Williams and Pike.

Claim 1 as presently amended claims an interactive method of integrating and customizing document-based services in a knowledge management system, comprising: providing a plurality of services, wherein each service comprises a software component associated with the system and provides at least one functionality for processing at least a portion document; wherein each software component includes a control panel for defining and inputting commands, input parameters and output parameters associated with the software

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component; wherein input parameters comprise a string parameter; displaying the plurality of services in a user interface, wherein each service has a link associated with it for accessing the service directly; responsive to user selection of a first service from the plurality of services, displaying the first service's control panel in the user interface; responsive to user input of at least one command and at least one input parameter in the control panel of the first service, caching any results objects for further usage within a session memory, displaying any output generated by the first service in the user interface, and providing handles to specify paths to the results objects within the session memory; responsive to user selection of a second service from the plurality of services, displaying the second service's control panel in the user interface; and responsive to user selection of at least a portion of the output generated by the first service, at least one command and at least one input parameter in the control panel of the second service, piping the at least a portion of the output generated by the first service to the selected input parameter of the second service and displaying any output generated by the second service in the user interface.

New Claim 24 claims an interactive system for integrating and customizing document-based services in a knowledge management system, comprising: a plurality of services, wherein each service comprises a software component associated with the system and provides at least one functionality for processing at least a portion document; wherein each software component includes a control panel for defining and inputting commands, input parameters and output parameters associated with the software component; wherein input parameters comprise at least one of a string, a document URL and a document pointer; a user interface for displaying the plurality of services, wherein each service has a link associated with it for accessing the service directly; responsive to user selection of a first service from the plurality of services, displaying the first service's control panel in the user interface; a first framework, responsive to user input of at least one command and at least one input parameter in the control panel of the first service, for displaying any output generated by the first service in the user interface; a second framework, responsive to user selection of a second service from the plurality of services, for

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displaying the second service's control panel in the user interface; and a scripting shell, responsive to user selection of at least a portion of the output generated by the first service, at least one command and at least one input parameter in the control panel of the second service, for piping the at least a portion of the output generated by the first service to the selected input parameter of the second service and displaying any output generated by the second service.

Applicants' system and method is directed to document-based services in a knowledge management system. Input parameters can be a string, as in a string parameter used in a Unix command line. In Applicants' system and method "each software component includes a control panel for defining and inputting commands, input parameters and output parameters associated with the software component; wherein input parameters comprise a string."

After the user inputs a command and at least one input parameter in the control panel of the first service, the system caches any results objects for further usage within a session memory, displays any output generated by the first service in the user interface, and provides handles to specify paths to the results objects within the session memory. In this case, the string parameter is interpreted as a path within the session memory. This way, the user only manipulates references to complex objects or parts of complex objects.

The user can select a portion of an output to be provided to the next service; the output of one service is not automatically provided to the next selected service. The system is user configurable, dynamically. The user can select a first service, such as a document summarizer, input an input parameter, such as the location of the document to be summarized, evaluate the results. The user can take a portion of the output of the first service and input it into a second service. For example, if the user wants to check spelling of particular words (strings) in the summary, the user can input selected words from the summary into a second service, which is a dictionary. Alternatively, if the user wants to email the summary, he can do so by inputting the entire summary to an email service. Applicants' system and method is interactive and user customizable. A variety of document-based services are available for the user to mix and match.
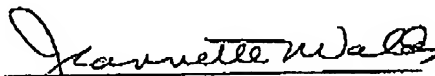
No additional fee is believed to be required for this amendment; however, the

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undersigned Xerox Corporation attorney hereby authorizes the charging of any necessary fees, other than the issue fee, to Xerox Corporation Deposit Account No. 24-0025.

Reconsideration of this application and allowance thereof are earnestly solicited. In the event the Examiner considers a personal contact advantageous to the disposition of this case, the Examiner is requested to call the undersigned Attorney for Applicants, Jeannette Walder.

Respectfully submitted,

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Xerox Corporation
Santa Ana, California
Date: May 13, 2005

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